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concl'd

5. (amended) The sample chip analyzing device and method for analyzing the sample chip according to Claim 1, wherein said light source outputs light of a wavelength that pumps the marked fluorescent substances.

6. (amended) The sample chip analyzing device and method for analyzing the sample chip according to Claim 1, wherein said sampling probes and sample to be analyzed are made into any one of polynucleotide, peptide and protein.

Please add the following new claims:

7. (new) The sample chip analyzing device and method for analyzing a sample chip according to Claim 2, wherein said waveguide plate is a glass substrate.

8. (new) The sample chip analyzing device and method for analyzing the sample chip according to Claim 2, wherein said waveguide plate has a pair of insulation reflection plates arranged opposite to each other with an appointed interval.

9. (new) The sample chip analyzing device and method for analyzing the sample chip according to Claim 2, wherein said light source outputs light of a wavelength that pumps the marked fluorescent substances.